

Date: Thursday, 3/2/2006 3:07:23 PM  
 User: Kim Johnston

## Process Sheet

12

<b>Customer</b> : CU-DAR001 Dart Helicopters Services	<b>Drawing Name</b> : SLIDE BAR ASS'Y
<b>Job Number</b> : 26025	
<b>Estimate Number</b> : 12262	
<b>P.O. Number</b> : N/A	<b>Part Number</b> : D205523043
<b>This Issue</b> : 3/2/2006 <b>S.O. No.</b> : N/A	<b>Drawing Number</b> : N/A
<b>Prsht Rev.</b> : NC	<b>Project Number</b> : N/A
<b>First Issue</b> : N/A <b>Type</b> : SMALL / MED FAB	<b>Drawing Revision</b> : N/A
<b>Previous Run</b> : N/A	<b>Material</b> : N/A
<b>Written By</b> : <u>SEE COMMENT BELOW</u>	<b>Due Date</b> : 3/20/2006 <b>Qty:</b> 2 <b>Um:</b> Each
<b>Checked &amp; Approved By</b> : <u>06.03.02</u>	
<b>Comment</b> : Est. B 02.04.04 Updated Drawing and Added Inspection Level 21 SM	

## Additional Product

Job Number:



<b>Seq. #:</b>	<b>Machine Or Operation:</b>	<b>Description :</b>
----------------	------------------------------	----------------------

1.0	DC	DOCUMENT CONTROL
-----	----	------------------

**Comment:** DOCUMENT CONTROL

Photocopy Blue file &amp; type labels per PPP D205-523-043

2.0	PACKAGING 1	PACKAGING RESOURCE #1
-----	-------------	-----------------------

**Comment:** PACKAGING RESOURCE #1

Pick Packing Kit

3.0	D30111	Slide Bar
-----	--------	-----------

**Comment:** Qty.: 1.0000 Each(s)/Unit Total : 2.0000 Each(s)

Slide Bar

Pick:

Qty	Part Number	Description	Batch
1	D3011-1	Rappel bar	314439

4.0	AN960JD616L	Washer
-----	-------------	--------

**Comment:** Qty.: 2.0000 Each(s)/Unit Total : 4.0000 Each(s)

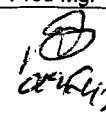
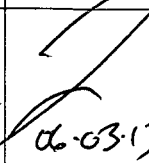
Washer

Pick:

Qty	Part Number	Description	Batch
2	AN960JD616L	Washer	

PTO

# Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
06/03/13	4	<del>Take out</del> AN 960 JD 616 Washer ② from picking list because they are already on D3011-1 bar  See w/o 14439 D3011-1	ml	06/03/13			

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Thursday, 3/2/2006 3:07:23 PM  
User: Kim Johnston

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: SLIDE BAR ASS'Y

Job Number: 26025

Part Number: D205523043

Job Number:



Seq. #:	Machine Or Operation:	Description :
---------	-----------------------	---------------

5.0	MS21042L6	Nut
-----	-----------	-----



Comment: Qty.: 2.0000 Each(s)/Unit Total : 4.0000 Each(s)

Nut

Pick:

Qty	Part Number	Description	Batch
2	MS21042L6	Lock Nut	

PTO

~~0~~

6.0	33116	Stud Fitting
-----	-------	--------------



Comment: Qty.: 2.0000 Each(s)/Unit Total : 4.0000 Each(s)

Stud Fitting

Pick:

Qty	Part Number	Description	Batch
2	33116	Stud Fitting	

PTO

~~0~~

7.0	D30121	Decal
-----	--------	-------



Comment: Qty.: 2.0000 Each(s)/Unit Total : 4.0000 Each(s)

Decal

Pick:

Qty	Part Number	Description	Batch
2	D3012-1	Decal	B14440

8.0	D30123	Decal
-----	--------	-------



Comment: Qty.: 2.0000 Each(s)/Unit Total : 4.0000 Each(s)

Decal

Pick:

Qty	Part Number	Description	Batch
2	D3012-3	Decal	B14441

9.0	D30125	Decal
-----	--------	-------



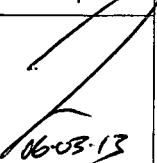
Comment: Qty.: 2.0000 Each(s)/Unit Total : 4.0000 Each(s)

Decal

Pick:

Qty	Part Number	Description	Batch
2	D3012-5	Decal	B14568

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
06/03/13	5 and 6	<del>Take out</del> { 33116 Stud fitting (2) } from picking list { MS 21042 L6 (2) } Because they are already on D3011-1 Bar	ml	06/03/13		U 06-03-13	 06-03-13

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes ☐ No ☒ DQA: ☒ Date: 06/03/13  
 QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

Date: Thursday, 3/2/2006 3:07:23 PM  
User: Kim Johnston

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: SLIDE BAR ASS'Y

Job Number: 26025

Part Number: D205523043

Job Number:



Seq. #:

Machine Or Operation:

Description :

10.0

SMALL FAB 1

SMALL & MEDIUM FAB RESOURCE 1



Comment: SMALL & MEDIUM FAB RESOURCE 1

Assemble as per Dwg D205-523-043

ml 06/03/13 (2)  
06-03-15 (PTD)

11.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

12.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: \_\_\_\_\_

CL 06/03/15 (2)

13.0

DC

DOCUMENT CONTROL



Comment: DOCUMENT CONTROL

Inspection Level 21

06/03/15 (2)

Job Completion



u 06-03-15

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: D205-523043 PAR #: \_\_\_\_\_ Fault Category: Prod / Small, HRO <sup>FAB. ASS</sup> NCR: Yes No DQA: 2 Date: 07/05/09  
 QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR: <u>26025</u>		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
<u>06-03-13</u>	<u>10</u>	<u>Mark found in D3011-1 bar after powder coat and ass'y. Mark is about .005" deep and is very noticeable on the surface.</u>	<u>[Signature]</u>	<u>Remove hardware and labels, buff out mark within tolerances, touchup with alodine and re powder coat as per RS1004, re-assemble, and apply new labels.</u>	<u>[Signature]</u> <u>06-03-14</u>	<u>[Signature]</u> <u>06-03-15</u>	<u>[Signature]</u>	<u>[Signature]</u> <u>06-03-13</u>

NOTE: Date & initial all entries

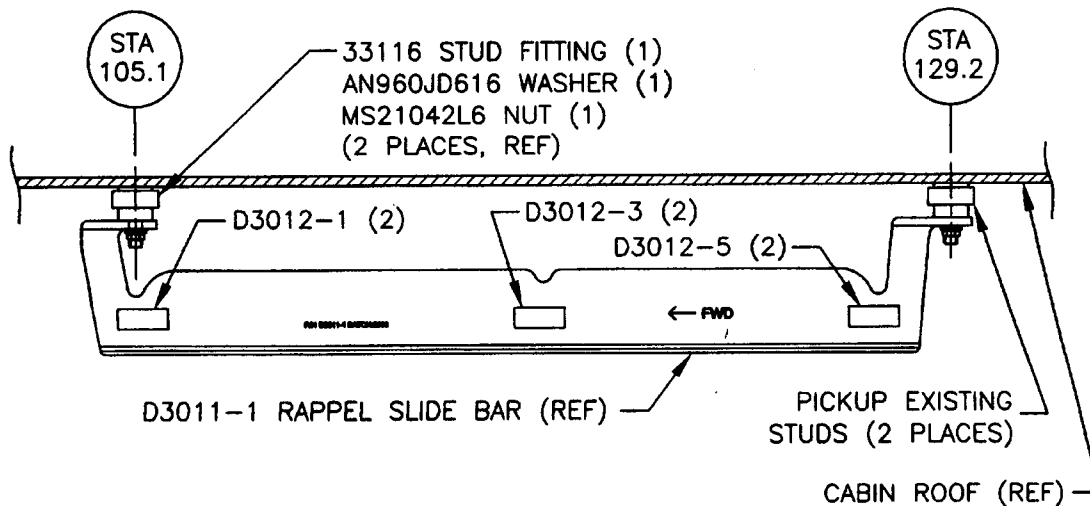


Figure 25-3: Installation of D205-523-043 Slide Bar Assembly  
(View Looking Inboard)

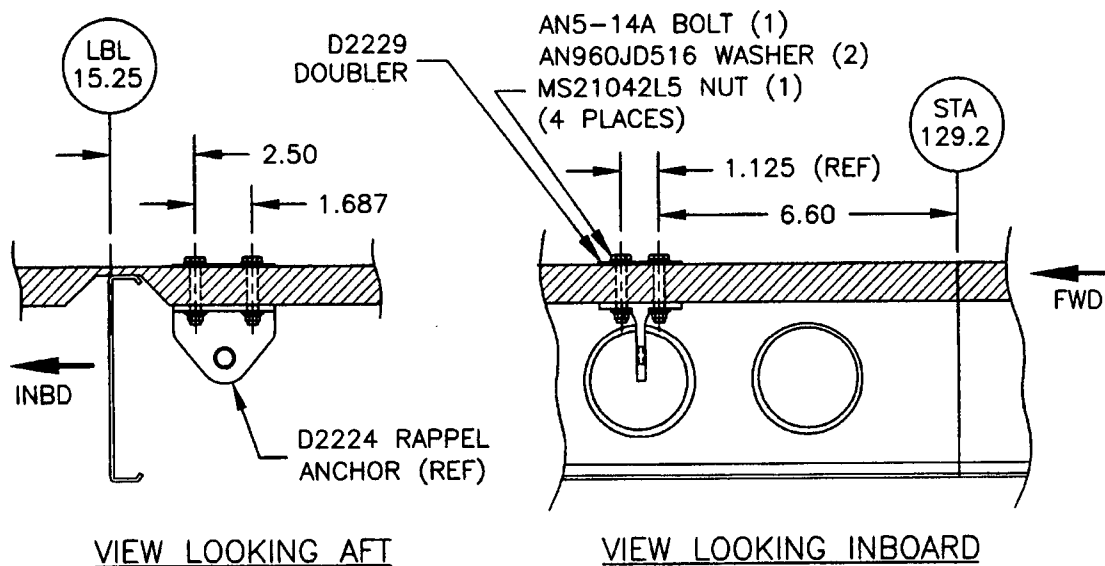


Figure 25-4: D2224 Rappel Anchor Installation

• COPYRIGHT © 2001 BY DART AEROSPACE LTD. •  
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED  
OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

**Dale Trepanier**

---

**From:** Dan Stow [dstow@dartaero.com]  
**Sent:** Wednesday, May 09, 2007 9:07 AM  
**To:** Dale Trepanier (Dale Trepanier)  
**Subject:** FW: Dart rappel bar

Dan Stow  
Technical Support  
**Dart Aerospace**  
Tel: 613.632.5200  
Cell: 613.676.0992  
[dstow@dartaero.com](mailto:dstow@dartaero.com)  
[www.dartaero.com](http://www.dartaero.com)

---

**From:** Dan Stow [mailto:dstow@dartaero.com]  
**Sent:** Wednesday, May 09, 2007 9:06 AM  
**To:** 'Peggy McDonald'  
**Cc:** 'Bill Beckett'  
**Subject:** RE: Dart rappel bar

Hi Peggy,

I investigated the rappel slide bar and found that upon inspection after powder coat there was a scratch found. The scratch was within tolerance so there was instruction to buff out the scratch, realodine, and repowder coat as per QSI005. Please let the customer know that as part of the NCR raised on this issue we will look into why there was no alodine present on the buffed area and what we need to do to ensure this does not pass through QA again.

Thank You

Dan Stow  
Technical Support  
**Dart Aerospace**  
Tel: 613.632.5200  
Cell: 613.676.0992  
[dstow@dartaero.com](mailto:dstow@dartaero.com)  
[www.dartaero.com](http://www.dartaero.com)

---

**From:** Peggy McDonald [mailto:peggy@darths.com]  
**Sent:** Tuesday, May 08, 2007 12:20 PM  
**To:** 'Dan Stow'

05/09/07



**Cc:** 'Bill Beckett'; dshepherd@dartaero.com

**Subject:** FW: Dart rappel bar

Hi Dan,

If I have already send this customer concern to you – please disregard.

Take a look at the photos – once the rappel bar was stripped – they uncovered an area that does not seem to have the same protective covering as the balance – an now appears to have corrosion.

Please advise what can be done to support this customer. I would like to reply to Trent today.

Thanks  
peggy

---

**From:** Trent Lemke [mailto:Trent.Lemke@ascentaerospace.ca]

**Sent:** May 7, 2007 7:26 PM

**To:** Peggy McDonald

**Subject:** FW: Dart rappel bar

Hey Peggy,

It was a bad Dart day. We stripped one of our rappel bars and found this ( refer to pictures) it looks like the bar was coated then they found pitting tried to dress it out then painted it without recoating it again then corrosion set in. (Q&A issue)

Call me to discuss, still no number to return the windows.

Talk to you soon

Trent

---

**From:** Al Hansson [mailto:qbaerocentre@telus.net]

**Sent:** Monday, May 07, 2007 4:16 PM

**To:** Trent Lemke

**Subject:** Dart rappel bar

Hi Trent, here are the rappel bar photos.

Al

05/09/07